(No Model.)

S. LYON.

TRUCK.

No. 438,015. Patented Oct. 7, 1890.

Fig. 1.

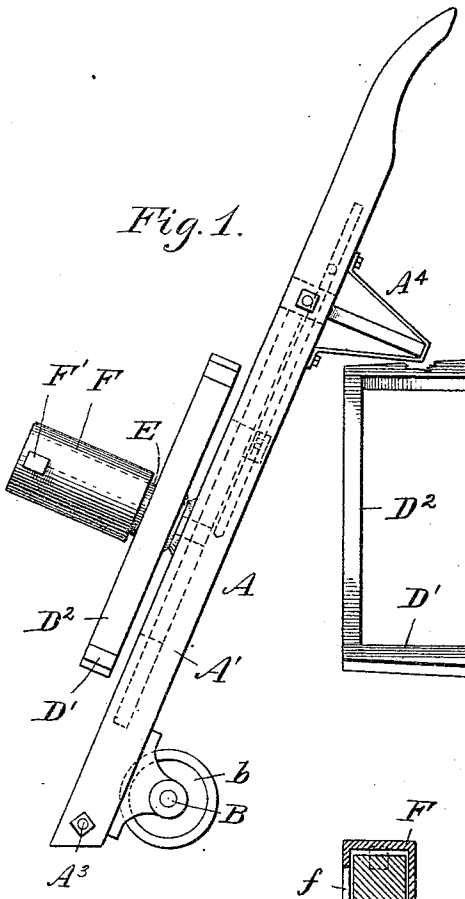


Fig. 2.

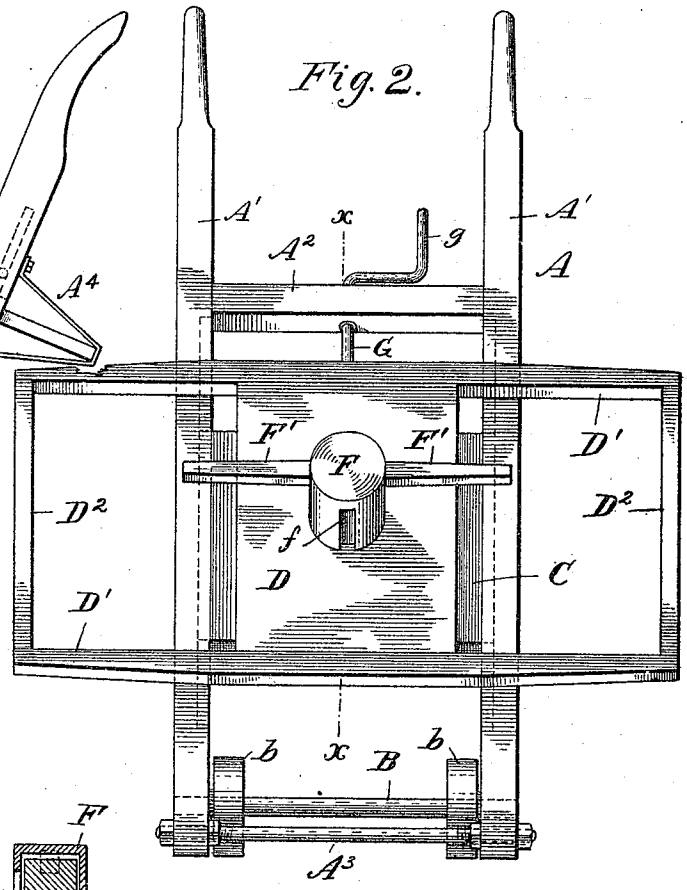
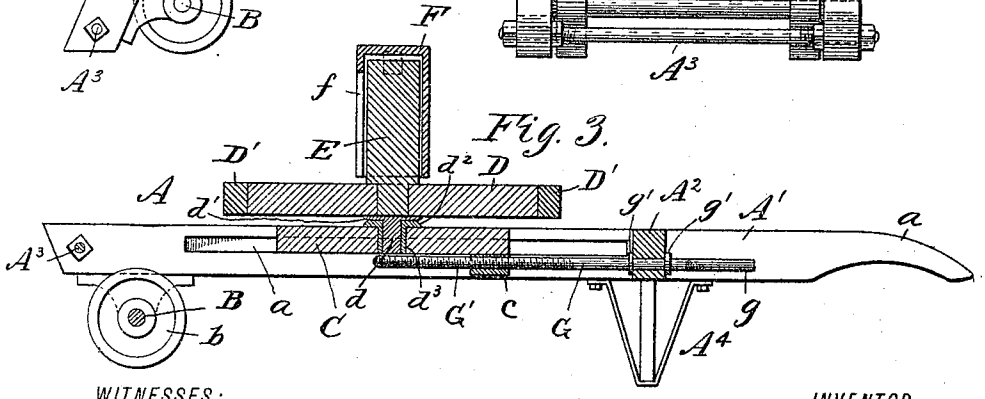


Fig. 3.



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SAMUEL LYON, OF CHICAGO, ILLINOIS.

TRUCK.

SPECIFICATION forming part of Letters Patent No. 438,015, dated October 7, 1890.

Application filed July 1, 1890. Serial No. 357,446. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL LYON, of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Belting-Truck, of which the following is a full, clear, and exact description.

My invention relates to an improvement in trucks for handling belting; and the object of my invention is to produce a truck having means for winding belting or other similar goods coming in coils thereon, and also to provide means for tightening the coils from the center.

To this end my invention consists in a truck having a frame centrally pivoted thereon, said frame being provided with a drum extending at right angles to the same, a slotted sleeve adapted to fit upon the drum, and means for moving the frame longitudinally in the truck. This construction will be hereinafter fully described, and specifically pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of a truck embodying my invention. Fig. 2 is a broken plan view of the same, and Fig. 3 is a vertical longitudinal section on the line $x\ x$ of Fig. 2.

The truck A is provided with a frame consisting of the side pieces A′, which are connected by the cross-piece A^2 and at their lower ends by the rod A^3. The shaft B, carrying trucks *b*, is journaled in the usual manner at the lower ends of the side pieces, which are also provided with the usual supporting-legs A^4. Each of the side pieces A′ is provided upon its inner side with a longitudinal groove *a*, extending from near the cross-piece A^2 to the lower portion of the side piece.

A sliding platform C is mounted between the side pieces A′, so as to move in the groove *a*, and pivoted upon said platform is a plate D, having a rectangular frame composed of the side pieces D′ and the cross-strips D^2, attached thereto, the plate and frame being adapted to hold the coils of belting or other similar material. The plate D is pivoted to the platform C by the pin *d*, which has an annular flange *d′* next the plate D, said flange bearing against the flange d^2 of the sleeve d^3, which extends centrally through the platform C and receives the pin *d*.

A drum E is centrally fixed to the plate D and extends at right angles to the same, and mounted loosely on the drum is a sleeve F, having laterally-extending handles F′, by means of which it may be turned or removed, as desired, and having also a vertical slot *f*, in which the end of the belting is inserted when the belting is to be wound upon the sleeve.

A shaft G is mounted in the central portion of the truck-frame, said shaft passing through the cross-piece A^2 and through the depending sleeve *c* of the platform C. The lower end G′ of the shaft G is screw-threaded, as shown, and fits a corresponding screw-thread in the sleeve *c*. The upper end of the shaft G is provided with a crank *g*, and the shaft is held from moving laterally in the cross-piece A^2 by the collars *g′*. It will thus be seen that by turning the crank *g* the shaft G will be turned, and by means of the threaded end of the shaft and the threaded sleeve *c* the platform C and the mechanism supported thereon may be moved up or down, as desired, in the truck.

The device operates as follows: The end of a belt or similar article to be wound upon the drum is inserted in the slot *f* of the sleeve F, and the sleeve is turned by means of the handles F, thereby winding the material upon the sleeve, and when the material is wound in a coil it may be easily removed by lifting it from the plate D, together with the sleeve F, and after the coil is removed from the truck the sleeve may be removed and replaced upon the drum E. The position of the platform C, the plate D, and the drum and sleeve upon the truck may be easily regulated by means of the screw-shaft G, in the manner described. The truck may be wheeled about in the usual manner. The truck will be found very convenient for small dealers who cut the coils of belting, as the coils of belting or other material may be very easily handled and may be easily tightened from the center in the manner described.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination, with a truck, of a plate centrally pivoted thereon, said plate being provided with a projecting drum, and a slotted sleeve adapted to fit upon the drum and provided with suitable handles, substantially as described.

2. The combination, with a truck and a platform adapted to slide therein, of a plate pivoted on the platform and provided with a projecting drum, and a slotted sleeve adapted to fit upon the drum, said sleeve having suitable handles, substantially as described.

3. The combination, with a truck and a sliding platform mounted therein, of a plate pivoted upon the platform and provided with a projecting drum and a laterally-extending frame, and a slotted sleeve adapted to fit upon the drum, said sleeve being provided with suitable handles, substantially as described.

4. The combination, with a truck and a platform loosely mounted therein, of a drum extending at right angles to the platform, a slotted sleeve resting upon the drum and provided with suitable handles, and a screw mechanism for moving the platform, substantially as described.

5. A belting-truck comprising a truck-frame mounted on suitable wheels, a platform movable longitudinally in the frame, a screw mechanism for moving the platform, a plate pivoted to the platform and provided with a projecting drum and with a laterally-extending frame, and a slotted sleeve resting upon the drum and provided with laterally-extending handles, substantially as described.

6. A belting-truck comprising a truck-frame mounted on suitable wheels and having the inner sides of its side pieces provided with longitudinal grooves, a platform mounted in the grooves and provided with a depending threaded sleeve, a screw-threaded crank-shaft mounted in the cross-piece of the truck-frame and connecting with the sleeve of the platform, a plate pivoted upon the platform and provided with a projecting drum and a laterally-extending frame, and a slotted sleeve fitting loosely upon the drum and provided with laterally-extending handles, substantially as described.

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Witnesses:
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